

1 **WHAT IS CLAIMED IS:**

- 2 1. A DIY cabinet comprising:
3 a foldable frame being a right parallelepiped and having a top, a
4 bottom, two sides, a back and a front and comprising
5 a front frame;
6 a rear frame; and
7 two foldable side panels pivotally attached between the two
8 frames and having a front board with a top edge and a bottom edge, a rear
9 board with a top edge and a bottom edge, multiple hinges mounted between
10 the front and rear boards and multiple base holes formed in the top and
11 bottom edges of the front and rear boards;
12 a rear panel detachably attached to the back of the foldable frame;
13 a top panel having a bottom surface with multiple head holes formed
14 in the bottom surface and detachably attached to the top of the foldable frame;
15 a bottom panel having a top surface with multiple head holes formed
16 in the top surface and detachably attached to the bottom of the foldable frame,
17 wherein the multiple head holes respectively align with the multiple base
18 holes on the foldable side panels;
19 multiple hinges secured between the front board and rear board,
20 between the rear board and the rear frame, and between the front board and
21 the front frame; and
22 multiple pop-it fasteners mounted between the foldable frame and
23 the top and bottom panels, wherein each pop-it fastener comprises:
24 a countersunk tube made of resilient material and pressed into

1 one of the head holes in one of the panels; and
2 a stud engaging the countersunk tube and having a threaded
3 rod that screws into one of the base holes in corresponding one of the
4 foldable side panels and a connecting head pressed into the countersunk tube.

5 2. The DIY cabinet as claimed in claim 1, wherein the front frame
6 has an inside surface, a left side, a right side and multiple mortises formed in
7 the inside surface on the left and right sides;

8 the rear frame has an inside surface, a left side, a right side and
9 multiple mortises formed in the inside surface on the left and right sides;

10 the two foldable side panels are pivotally attached respectively
11 between the two sides of the foldable frames; and

12 the hinges are multiple countersunk flush mounted hinges and
13 mounted respectively between the front and rear frames and the two foldable
14 side panels.

15 3. The DIY cabinet as claimed in claim 2, wherein each countersunk
16 flush mounted hinge comprises:

17 two tenons respectively having an inside recess; and
18 a metal pivot pivotally connected respectively in the inside recesses
19 and between the two tenons and composed of two first sheets and two second
20 sheets pivotally engaging the two first sheets.

21 4. The DIY cabinet as claimed in claim 1, wherein the cabinet further
22 has at least one retractable door assembly mounted inside the foldable frame.

23 5. The DIY cabinet as claimed in claim 3, wherein the cabinet further
24 has at least one retractable door assembly mounted inside the foldable frame.

1 6. The DIY cabinet as claimed in claim 5, wherein each retractable
2 door assembly has a doorjamb and a door pivotally attached to the doorjamb;
3 and

4 a rail assembly mounted inside the foldable frame to detachably
5 engage one corresponding doorjamb and having a top rail attached to a
6 bottom face of the top panel and a bottom rail attached to a top face of the
7 bottom panel , wherein each rail has a moving block slidably mounted on
8 each rail to detachably engage with the corresponding doorjamb by pins.

9 7. The DIY cabinet as claimed in claim 6, wherein the DIY cabinet
10 further has multiple locking devices mounted between the foldable frame and
11 the door of the door assembly, the locking device comprises:

12 a plate having a dent and attached to the foldable frame; and
13 a spring-loaded ball attached to the door and containing a ball with a
14 spring to detachably engage the detent in the plate by holding the ball in the
15 dent.

16 8. The DIY cabinet as claimed in claim 7, wherein the DIY cabinet
17 further has a shelf assembled and mounted inside the foldable frame by the
18 pop-it fasteners.